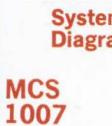
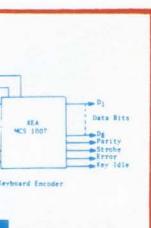
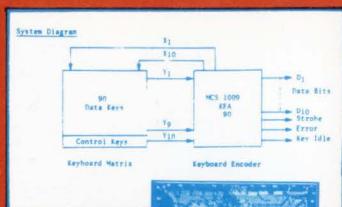


### System Diagram

MCS  
1007

**64**  
KEY  
KEYBOARD  
ENCODER  
ARRAY



### featuring

- Four level encoding of 64 keys.
- Expansion to 92 or 128 keys (using add'l. units).
- True N-key rollover operation.
- Error detection and data lock-out for simultaneous key depression.
- Repeat operation.
- Internal parity generation (odd or even).
- Complete switch bounce immunity.
- Latched data outputs, control signal outputs.
- TTL compatibility for all control signals, data outputs.

### CLOCK GENERATOR FEATURES

- 5 KHz to 100 KHz variable frequency, externally selected.
- 25% to 49% variable duty cycle, externally selected.
- Low Output Impedance—up to 500 pf loads are practical.
- Low Power Consumption—220 mw typical.
- May be synchronized with external oscillator.



MTS 2517

### CLOCK GENERATOR AND REPEAT OSCILLATOR

Supplies two phase clock signals and a gated repeat oscillator signal required by Keyboard Encoder products currently available from MOS TECHNOLOGY, INC.

### REPEAT OSCILLATOR FEATURES

- 5Hz to 45Hz—variable frequency, externally selected.
- Oscillator Gating—separate on/off controls with variable delay for "on" control.

WE TURNED A TECHNOLOGY  
INTO A COMPANY

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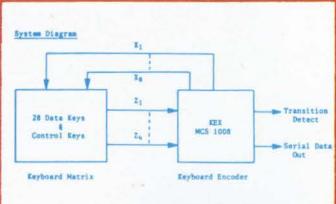
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an affiliate of ALLEN-BRADLEY



MCS 1008  
(MTS 1008)

**28**  
KEY  
KEYBOARD  
ENCODER  
EXPANDER  
ARRAY



System  
Diagram



### FEATURING

- Two-level 8 bit encoding of 28 keys.
- True N-key rollover operation.
- Complete switch bounce immunity.
- Serial TTL compatible data output.
- Electrical Shift/Lock.